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# (12) United States Patent

## Morgan

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## (54) PART FIXTURING DEVICE WITH ADJUSTABLE POSITIONING

- (71) Applicant: John Morgan, Nashville, TN (US)
- (72) Inventor: John Morgan, Nashville, TN (US)
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See application file for complete search history.

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Primary Examiner — Larry E Waggle, Jr.

Assistant Examiner — Seahee Yoon
(74) Attorney, Agent, or Firm — PatentBest; Andrew McAleavey

#### (57) ABSTRACT

Fixturing elements for positioning components on a work surface with a fixed or variable pitch are disclosed. The fixturing elements include a bottom portion adapted to be coupled directly or indirectly to the work surface and a top portion with a generally horizontally-extending slot or track. An insert is adapted to be positioned within the slot or track, which allows the insert to be slid or positioned at any number of positions along the slot or track. The insert may, for example, include a vertically-extending pin or a threaded hole that is adapted to receive other components. In some embodiments, the fixturing element may include an exterior side slot that opens into the slot or track, and a handle element may be inserted through the side slot and into the insert, allowing the inserted to be positioned using the handle element.

#### 15 Claims, 4 Drawing Sheets

